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Page 1
           IN THE UNITED STATES DISTRICT COURT
          FOR THE WESTERN DISTRICT OF MICHIGAN
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   SIERRA CLUB,
                      Civil Action No. 1:08-cv-1183
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5
         Plaintiff, Paul L. Maloney
                        Chief U.S. District Judge
6
   vs.
7
   CITY OF HOLLAND, MICHIGAN and
   HOLLAND BOARD OF PUBLIC WORKS,
8
         Defendants.
10
11
12
    DEPONENT: DAVID G. KOSTER
13
        DATE: Wednesday, October 20, 2010
        TIME: 8:00 A.M.
14
15
   LOCATION: Doubletree Hotel
               650 East 24th Street
16
17
               Holland, Michigan
    REPORTER: Dawn M. Spaeth, CSR-1458
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Page 4 Page 6 Holland, Michigan James De Young Power Plant and extra costs that it 2 October 20, 2010 2 believed it had incurred in the performance of that 3 3 4 DAVID G. KOSTER, 4 Q. Was the control system related to the turbine 5 5 after having first been duly sworn by the Notary generator? 6 Public to tell the truth, the whole truth and nothing 6 A. The control system in part, yes. It's a control 7 but the truth, testified as follows: 7 system for the plant, for the James De Young Plant, 8 MR. BENDER: Good morning. We are here in so it's for the entire plant. 9 deposition in the case Sierra Club versus City of 9 Q. So it controls the boilers and the turbines? 10 Holland and Holland Board of Public Works, 10 A. Correct. 11 08-cv-1183. My name is David Bender. I represent 11 Q. And other devices inside the plant? 12 the plaintiff, Sierra Club. The deponent is here and 12 A. Correct. 13 defendants are represented by Mr. Karg. 13 Q. And was the Robinson case an employment matter? 14 **EXAMINATION** 15 BY MR. BENDER: 15 Q. And have you ever testified in court before? 16 Q. To start, can you spell your name for the record, 16 A. No. 17 17 Q. Have you given any other testimony under oath other 18 A. David, D-a-v-i-d, Gerard, G-e-r-a-r-d, Koster, 18 than the two depositions? 19 K-o-s-t-e-r. 19 A. No, not as directly administered oath, no. Unless 20 Q. Mr. Koster, you're here today pursuant to a Notice of you count discovery responses and swearing to 21 Deposition; is that correct? discovery responses. 22 A. Correct. 22 Q. Have you sworn to discovery responses in any cases 23 (Deposition Exhibit 9 marked.) 23 other than the current one and the two that you were deposed in? 24 Q. (By Mr. Bender) Showing you what's marked as 24 Exhibit 9, have you seen that document before? 25 A. No. Page 5 Page 7 1 A. Yes, I have. 1 Q. So you understand that your testimony here today is 2 Q. Is that the Notice of Deposition? under oath the same as if it's in court? 3 A. Yes, it is. 3 A. Yes. 4 Q. Thank you. Sir, have you been deposed before? 4 Q. Just some understanding going forward today. You 5 A. Yes, I have. probably got the same directions in your prior 6 Q. How many times? deposition. I'll try to wait for you to finish 7 A. Twice. 7 before asking another question if you can try to wait 8 Q. In what cases were those? 8 to finish my question before answering, mostly for 9 A. There was a case between Westinghouse Corporation and 9 the benefit of the court reporter. She can only take 10 the City of Holland and the Board of Public Works, 10 down one of us at a time. If you need breaks, just and there was a case between MacArthur Robinson, a let us know. I'd just ask that if there is a 11 11 12 former employee of the Holland Board of Public Works 12 question pending, you answer it before we take the 13 and the City of Holland and its Board of Public 13 break, and if you need any clarification on any 14 Works. 14 questions, please let me know so you know what I'm 15 Q. How long ago were your depositions in each of those 15 asking, I know what question you're answering. 16 cases? 16 A. Okay. 17 A. The Robinson case was a year to two years ago, 17 Q. You are currently employed by the Board of Public somewhere in the last couple years. The Westinghouse 18 Works, correct? 19 case was in the mid 1990s. 19 A. Correct. 20 Q. And do you know, was Westinghouse the plaintiff in 20 Q. How long have you worked for the Board of Public 21 the Westinghouse case? 21 Works? 22 A. Yes. 22 A. For approximately 18 years. 23 Q. Do you know what its claims were against Holland? 23 Q. So that would be since 1992; is that correct? 24 A. It was -- the claims were for payment for services 24 A. In a full-time status, that's correct. relating to installation of a control system at the 25 Q. Did you work part time for the Board prior to that?

4 (Pages 4 to 7)

Case 1:08-cv-01183-PLM Doc #89-3 Filed 11/26/10 Page 3 of 8 Page ID#820 Page 120 Page 122 1 A. Correct. single tube, correct? 2 Q. Do you know the unit? 2 A. I consider retubing to replace a tube. It's just the 3 A. No. I don't recall. quantity involved. I think when you look at -- when 4 Q. Do you know whether it was the De Young Plant? you say replacing every tube, that would be retubing the entire condenser as opposed to retubing part of 5 A. Yes. 6 Q. Do you know whether it's occurred more than once? the condenser. They're still retubing, but --6 7 Q. There's thousands of tubes in a condenser, correct? 7 A. I don't recall. 8 Q. To the best of your recollection, on at least one 9 Q. So you consider replacing one tube retubing that occasion you believe more than two superheater tubes 10 had a portion of the tube replaced as a single 10 condenser? 11 project? 11 A. No, I'm not saying that. What I'm saying is, if 12 A. Yes. 12 you -- first of all, I don't think you'd ever do 13 Q. Are you aware at any boiler anywhere where any 13 that, but two, if you had to retube a portion of it, portion of each condenser tube was replaced as part you could consider that retubing a portion of the 15 of a single project? 15 condenser. That's what I'm saying. It doesn't have to be the entire condenser to be called retubing. 16 MR. KARG: Object to the form of the 16 17 17 Q. The term retubing refers to replacing -question. 18 A. Including the entire tube? 18 A. Groups of tubes. 19 Q. (By Mr. Bender) Any portion from a small portion to 19 Q. -- groups of tubes? the entire tube was replaced on each tube that 20 A. That's what I'm referring to. comprises the condenser tubes. 21 Q. So you're aware of only three occasions on any unit 21 22 A. Yes. 22 anywhere where groups of tubes were replaced on a 23 Q. When did that occur? 23 condenser? 24 A. I am aware of condenser tube replacements. I'm aware 24 MR. KARG: Object to the form of the 25 they took place at the De Young Plant. I'm question. Page 121 Page 123 1 A. That's not true. specifically aware of Unit Number 5's replacement of 2 Q. (By Mr. Bender) We talked about Units 3, 4, and 5 condenser tubes. 3 where that's true, correct? 3 Q. Did that occur in the year 2000? 4 A. Yes. 5 Q. Other than the occurrences at 3, at 4, and at 5 where 5 Q. Other than that replacement, are you aware of any groups of condenser tubes were replaced, when else, time when each tube in a condenser was replaced in any part? 7 to your knowledge, have groups of condenser tubes 8 A. Yes, but not firsthand knowledge of it. I'm aware 8 been replaced? that it happened in the other two units at De Young, 9 MR. KARG: Object to the form of the 10 but I don't have firsthand knowledge of those jobs. question. 11 Q. If I understand correctly, you're aware that each of 11 A. I don't have the specific units and times, but I've 12 read articles in journals and magazines in the trade 12 the units at De Young had its condenser retubed, that have indicated that various units have had, if 13 13 correct? 14 not all, but potentially portions of their condensers 14 A. Correct. 15 retubed. So I'm aware that projects have happened in 15 Q. And by retube, we're talking about replacing the 16 that regard, but I don't have the specific unit and entire tube for each tube that's in the condenser? 17 17 A. I can't say for sure whether that was each and every 18 Q. (By Mr. Bender) A few more questions, then we'll go 18 condenser tube, so. 19 to lunch and come back. 19 O. Is it the majority of the condenser tubes? 20 A. You know, I don't know really. Without having 20 A. Okav.

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33 (Pages 120 to 123)

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correct?

25 A. Yes.

21 Q. Are you aware of any time when -- let's back up and

talk about the snow melt system in general. You're

aware of the snow melt system on the De Young Plant,

firsthand knowledge of that job, I couldn't

whether it's all of it.

speculate. I know retubing has happened in those

units, but I couldn't speculate on the percentage or

25 Q. Retubing means something different than replacing a

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- 1 Q. And do you know when that system was installed?
- 2 A. Through records, I understand that it was installed
- 3 around 1988.

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- 4 Q. Are you aware of any other generating units that havea snow melt system installed on them?
- 6 MR. KARG: Object to the form of the 7 question. Can you clarify what you mean by any other 8 units?
 - MR. BENDER: Same as before.
- 10 A. I'm aware there's a number of units that use heat for
- other sources. I don't know whether or not they use them for melting snow, for other reasons for district
- heating. So when you call something a snow melt
- 14 system, I think that's a fairly broad term and
- 15 depends how it's being utilized, how you're getting
- heat from that unit to that system.
- 17 So I'm aware that there are systems in
- place to use auxiliary heat for various heatingpurposes, but to say that there's another system like
- 20 ours exactly, I don't know that.
- 21 Q. You don't know of any?

condenser is used?

- 22 A. I don't know of any like ours exactly.
- 23 Q. When you say axillary heat, you mean heat from the

1 Q. Can you tell me where else waste heat from the

4 Q. No, I mean anywhere. You said you're aware of other

5 places where it's used. I'm asking what those are. 6 A. I'm aware that something is being constructed at

it uses the same sort of -- exactly the same sort of

some of their units provide heat to district heating

zones within Lansing. So how they actually occur, I

don't know, and that's why I said I don't know if any

15 Q. So other than Grand Haven considering it and the fact

that Lansing provides district heat, you're not aware

of any other units that use heat from the condenser

MR. KARG: Object to the form of the

22 Q. (By Mr. Bender) I'll also ask about the circulating water dilution pipeline for Units 4 and 5. You are

system or not. So I'm aware Grand Haven is

of these are exactly like Holland's.

for any kind of heat system?

another municipality, but I don't know whether or not

considering something and I know that Lansing through

24 condenser unit?

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25 A. Yes.

question.

21 A. Not that I'm aware of.

aware of that pipeline?

25 A. I mean waste heat from the condenser.

3 A. I'm sorry, do you mean in Holland?

- Page 126
- 1 Q. And are you aware of any other facilities anywhere
- 2 that use a dilution pipeline to dilute its
- 3 circulating water?
- 4 MR. KARG: Object to the form of the
 - question.
- 6 A. I'm not aware of any.
- 7 MR. BENDER: Why don't we break for lunch.
- 8 (Luncheon recess taken from 12:00 to
- 9 1:00 p.m.)
- 10 Q. (By Mr. Bender) Mr. Koster, coming back from break, a
- 11 couple questions for you to follow up on discussion
- 12 we had before we broke.
 - You had noted earlier how you thought tube
- 14 repairs and tube replacements were common in the
- 15 industry. Do you recall that --
- 16 A. Yes.

13

- 17 Q. -- discussion we had? When you say that, do you
- 18 include any repair or replacement of any portion of a
- 19 tube that you believe is common?
- 20 A. I believe that all types of tube replacement are
- 21 common.
- 22 Q. Do you think that replacing an entire tube is common?
- 23 A. Yes.
- 24 Q. Do you believe replacing numerous tubes in one
- 25 project is common?

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- 1 A. Again, I think that what I indicated was routine, and
- 2 based upon my understanding of the other projects
- 3 that we're involved in and from the journals and
- 4 magazines that I've read that have talked about
- 5 various projects that have been undertaken, I believe
- 6 that those sections would be routine as well.
- 7 Q. What do you mean by routine?
- 8 A. Common, I guess.
- 9 O. I ask because you made that distinction between
- 10 common and routine.
- 11 A. I guess, but what I said earlier was routine, but you
- saying common, then I think they are synonymous.
- 13 Q. How often does something have to occur to be common?
- MR. KARG: Object to the form of the
- 15 question.
- 16 A. I don't know that I could answer that. I don't know
- 17 that I would have -- I don't think it's a specific
- 18 amount of times. More a matter of based upon my
- 19 experience, these things have happened at the
- 20 De Young Plant, they've happened at the other plants
- 21 that we're involved in, and I regularly read of other
- 22 projects. So due to the fact that you see that
- 23 happening on a frequent basis, I consider that to
- 24 determine routine, not that there's a threshold of a
- 25 number of times or anything like that involved, but

34 (Pages 124 to 127)

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- installed the boiler control system?
- 2 A. I think there were periods of time where the unit was
- brought off to do some tuning potentially as a result
- of that, but as it related to the boiler controls,
- there wasn't a lot of problems with that.
- 6 Q. You said there is a period of tuning and shakedown?
- 7 A. Yes.
- 8 Q. So that's what you mean, is a period of time where
- you adjust things, do other things?
- 10 MR. KARG: Object to the form of the
- 11 question.
- 12 A. Yes. Mostly tune, check functionality, confirm
- 13 functionality, but mostly tuning.
- 14 Q. (By Mr. Bender) Then for the Low NOx burners, was it
- the same thing, you tune the burners after they're
- 16 installed?
- 17 A. Correct.
- 18 Q. Do you have to tune other things other than the
- 19 burners after they're installed?
- 20 A. You're tuning the burners in relationship to the
- combustion of the boiler. So it's interrelated to
- 22 your total air combustion tuning and your fuel feed
- 23 and things like that. So, I mean, it's tuning the
- boiler while you're tuning the burner itself.
- 25 Q. And new burners might need different amounts of air,

confirm and verify and tune if they weren't at spec.

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- 2 Q. You're aware of the project to install the
- circulating water dilution line; is that correct?
- 4 A. Yes.
- 5 Q. What's your understanding of the purpose for that
- 7 A. My understanding of the project is to help to meet a
- temperature limitation at the outfall of the
- circulating water outfall for Units 4 and 5.
- 10 O. Were you involved in planning that dilution line
- 11 project?
- 12 A. No.
- 13 Q. Who was involved in that project?
- 14 A. Primarily Mike Radakovitz and Loren Howard.
- 15 Q. Is your understanding of that project from those two
- 16 individuals?
- 17 A. Yes. Well, I shouldn't say that. I had a role in
- the project as well, but it was more to do with the
- 19 electrical and instrumentation relative to a control
- 20 valve within the line and some measurement of flow.
- 21 Q. Is your understanding of the purpose of that project
- from Loren Howard and Mike Radakovitz?
- 23 A. At the time that was my understanding, that's where I
- got my understanding of the project, yeah, was more
- 25 from Loren Howard.

- so you change some of the combustion air, louvers, or 1 Q. Do you have an additional understanding now?
- 2 openings or flow?
- 3 A. Other than the burner itself, there were no other
- changes.
- 5 Q. You tune other things elsewhere around the boiler to
- match them to the new burners?
- 7 A. It's more a matter of just tuning the boiler with the
- incorporation of the burner. So it's confirmation,
- really, that -- and then maybe some slight adjustment
- 10 relative to the burner, but the burner has it own set
- 11 of louvers for it that are tuned in the process.
- 12 O. I didn't know what you meant by adjust, tune the 13 boiler with the burners. I don't understand what the
- 14 distinction was between the two that you were
- 15 drawing.
- 16 A. Okay.
- 17 Q. What other than the boiler is involved in the burner
- 18 that needs to be tuned when you put the new burners
- 19
- 20 A. The airflow to the pulverizers could be affected by
- the fact that you have differing airflow to the 21
- 22 burner itself. So you may have to do some
- 23 modifications to the control set points for that.
- 24 The burner had some requirements as well for the
- airflow from the mill, so there were things to

- 2 A. Well, having been responsible for the operation of
- 3 the plant, I understand the purpose of the line,
- so -- but at the time, if you're talking about the
- 5 project itself, my understanding for the reason for
- the project was from Loren Howard.
- 7 Q. When is the line used in the operation of the plant?
- 8 A. It's used primarily during the hottest time of the
- year when the lake temperature is at it warmest out
- 10 front of the plant.
- 11 Q. How many weeks per year is that?
- 12 A. Oh, it varies. It's not all the time during those
- 13 weeks either.
- 14 Q. Is the decision to use that line manual? Does the
- 15 valve open manually or is it automatic based on
- 16 temperature settings?
- 17 A. It's manual.
- 18 Q. Who makes the decision whether to use that line?
- 19 A. The operators in the control room.
- 20 Q. And what basis do they use or what's the formula they
- use for whether or not to use the line?
- 22 A. They're looking at whether or not the unit would be
- 23 projected to exceed its 24-hour average limit for
- temperature threshold for that outfall.
- 25 Q. Is there a numeric formula that they use?

47 (Pages 176 to 179)

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Page 182 Page 180 1 A. They have a spreadsheet that shows them at any time 1 Q. Why is that? during the day what they're projected to average 2 A. Because the temperature that Units 4 and 5 can after 24 hours, and so they can utilize that as a discharge to the snow melt system is not adequate for guide, but it's not -- there's no set formula the design criteria of the snow melt system. 5 5 Q. So why are they connected to the system then? per se. 6 Q. So they watch the projection of 24-hour heat 6 A. To keep it from freezing. discharge average and then make a decision whether or 7 Q. So when 4 and 5 are operating and Unit 3 is not not to open the dilution line? operating. Units 4 and 5 are sufficient to keep the 9 A. No. They watch the average temperature for the day system from freezing? 10 A. Yes. and make a decision as to whether to open the valve. 11 Q. You don't know how many times per year the valve is 11 Q. But they're not sufficient to keep the system 12 operating correctly? 12 opened? 13 A. No. 13 A. Correct. 14 Q. Has that always been true? 14 Q. All right. Is that recorded anywhere? 15 A. True, yes. 15 A. I'm not sure. 16 Q. What's the minimum condenser temperature needed, 16 Q. The dilution line takes part of the flow from the condenser water temperature needed on Unit 3 to run 17 circulating water line in from the lake, correct? 17 18 the system? 18 A. Yes. 19 O. After the pumps? 19 A. The system is designed for 95-degree discharge water, and that design criteria is based upon certain 20 A. After the pumps. 21 ambient conditions out where the snow melt is taking 21 Q. When the line is open, does it decrease the amount of place. So based on that -- actually, I'm sorry, the 22 circulating water that's flowing through the boiler 22 23 design criteria, that was 93 degrees Fahrenheit. So 23 condenser? 24 that's for the conditions -- I don't remember the 24 A. Not necessarily. 25 Q. Can the pumps increase their volume when the valve is 25 exact conditions, but for a certain ambient Page 183 Page 181 temperature and a certain wind speed expected and to open? 2 A. There are four pumps in the control house, and we can be able to melt snow, the 93-degree temperature was 3 used as a design criteria. turn on an extra pump when the valve is open so that the condensers do not see a drop in flow. 4 Q. Does the system work when the temperature is less 5 O. It's true you only installed one dilution line at the than 93 degrees? De Young Plant, correct? 6 A. It can struggle depending upon the atmospheric conditions in existence. 7 A. That's correct. 8 Q. Does the boiler have to operate at a minimum load for 8 Q. Let's talk briefly about the snow melt system. Do its condenser discharge water to be 93 degrees? you know when the snow melt system was installed? MR. KARG: Objection, asked and answered. 10 A. Certainly, yes. 11 A. From my understanding, it was approximately 1988. 11 Q. Do you know what that minimum load is? 12 Q. (By Mr. Bender) And is it your understanding it was 12 A. No. initially connected only to Unit 3? 13 Q. If the boiler is not operating, the snow melt system 14 A. That's my understanding. isn't going to work, correct? 15 A. Correct. 15 Q. And is it your understanding that later Units 4 and 5 16 Q. What's the minimum sustainable load on Unit 3? 16 were connected to the snow melt system? 17 A. Around 4 megawatts. 17 A. Yes. 18 Q. At 4 megawatts is the condenser producing a 18 Q. Is the snow melt system currently operated mainly off 19 of Unit 3? 19 sufficient amount and temperature of condenser 20 A. Yes. discharge water to run the snow melt system? 21 Q. Has it always been operated mainly off of Unit 3? 21 A. It depends on the atmospheric conditions.

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22 O. So the answer is sometimes?

24 Q. And sometimes it's too cold out or there's some other weather condition that would require Unit 3 to

23 A. Sometimes.

23 Q. Can it be operated solely off of Units 4 and 5?

24 A. Not in a manner that's going to be as effective as

22 A. Always mainly, yes.

Unit Number 3.

- operate at a greater than 4 megawatts for the snowmelt system to work?
- MR. KARG: Object to the form of the question.
- 5 A. There could be some periods of time that it would
- require a higher temperature than what 4 megawatts
 may be able to deliver.
- 8 Q. (By Mr. Bender) Do you know what the condenser 9 discharge temperature is associated with four
- 10 megawatts?
- 11 A. I don't know exactly, no.
- 12 Q. Is there any kind of protocol for operating Unit 3
- 13 intended to ensure that the snow melt system operates
- 14 properly?
- 15 A. Can you clarify that question? There are procedures
- on how to operate the snow melt system.
- 17 Q. Okay.
- 18 A. Is that what you're referring to?
- 19 Q. Sure. Do those procedures involve operation of
- 20 Unit 3?
- 21 A. It shows you more how to set up the system for
- 22 operation, what valving positions and things like
- 23 that.
- 24 Q. Are there any procedures for operation of
- 25 Boiler 3 to make sure that the snow melt system is

- Page 186
 - 2 to raise the temperature up. So there are a number

back into the incoming of the intake of the condenser

- 3 of actions that they could take to try to influence
- 4 that

6

- 5 Q. Is one of the actions increasing the load on Unit 4?
 - MR. KARG: Object to the form of the
- 7 question. I think you meant Unit 3.
- 8 MR. BENDER: I'd prefer the answer if I
- 9 said Unit 3.
- 10 Q. (By Mr. Bender) So is one of the actions increasing
- 11 the load on Unit 3?
- 12 A. Typically that is not something that's used. I'm not
- 13 going to say that a small change couldn't change it,
- 14 but typically the reaction is to work with the water
- 15 systems, is the normal reaction.
- 16 Q. All right. When you plan outages on Unit 3, do you
- 17 try to plan around the snow season?
- 18 A. Typically.
- 19 Q. And when you have an option of which units to
- 20 dispatch, do you dispatch 3 during the winter season?
- 21 A. Well, again, we talked about earlier that there's
- 22 dispatching that occurs on that unit. Yes, it does
- 23 dispatch. I don't know if I understand your question
- 24 completely.
- 25 Q. Well, let me ask this: The snow melt system is

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- 1 operating?
- 2 A. I don't know of a specific protocol on boiler
- 3 operation in support of the snow melt system.
- 4 Q. Is there a general understanding among the operators
- 5 on how Boiler 3 needs to be operated in order to
- 6 operate the snow melt system?
- 7 MR. KARG: Object to the form of the
- 8 question.
- 9 A. There's an understanding about -- I mean, there's
- 10 feedback that you would have based upon the ambient
- 11 conditions as to whether or not enough heat is being
- 12 delivered or not, and the operators would know how to
- 13 react to that. So to that extent, yes.
- 14 Q. (By Mr. Bender) So insufficient heat is being
- 15 delivered, the operators would know how to react to
- 16 that?
- 17 A. Yes.
- 18 Q. And how would they react to that?
- 19 A. They may change the flow going into the snow melt
- 20 system through the pumps. They may change the valve
- 21 positions there to allow more flow to go down that
- 22 way. They may take effort in terms of changing the
- 23 flow through the condenser to raise the temperature
- 24 of the outgoing water. They may change the
- 25 recirculating loop that allows for more water to come

- operated by the Board of Public Works, correct?
- 2 A. Yes.
- 3 Q. It's owned by the City though?
- 4 A. Portions are owned by the City, portions are owned by
- 5 the Board of Public Works.
- 6 Q. Is there a contract on how the Board of Public Works
- is going to operate it for the City?
- 8 A. There's a thermal rate that the City pays.
- 9 Q. Like a utility rate?
- 10 A. It's a utility rate.
- 11 Q. Does that entitle the City to hot water during
- 12 certain months?
- 13 A. I guess your use of entitle. It's a rate that
- 14 indicates what they're going to pay for energy that's
- 15 delivered to them.
- 16 Q. Is the Board of Public Works required to deliver
- 17 thermal hot water energy to the City?
- 18 A. To the extent that we can do that as needed, yes.
- 19 Q. Are there periods during the winter when Unit 3 is
- 20 not needed for energy and the Board of Public Works
- 21 shuts the unit down and stops delivering hot water to
- 22 the snow melt system?
- 23 A. No.
- 24 Q. If sufficient energy is being provided to the
- 5 Board of Public Works by wholesale contracts and

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- Campbell Unit 3 and Belle River and generation is not
- 2 required, does Unit 3 still operate in order to have
- hot water for the snow melt system?
- MR. KARG: Object to the form of the
- 5 question.
- 6 A. As needed.
- 7 Q. (By Mr. Bender) As what's needed?
- 8 A. As hot water is needed, yes.
- 9 Q. So even though it's not economic to operate Unit 3
- for electrical energy, Unit 3 is still operated for
- 11 the thermal hot water energy for the snow melt
- 12 system?
- 13 A. There may be times that that happens over the period,
- 14
- 15 Q. Are there times when Unit 4 is shut down because its
- 16 energy is not needed but Unit 3 operates?
- 17 A. I don't recall if during those times whether that
- happened. That may have happened.
- 19 Q. Similarly for 5, are there times when 5 is shut down
- 20 because its energy is not needed but Unit 3 is
- 21 operating?
- 22 A. Could have. I don't know exactly.
- 23 Q. Does the Board of Public Works have to pay any
- penalty under its contract or rate structure to the
- City if it decides to shut down Unit 3?

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- 1 A. I think what I mentioned earlier was that the Board
- approves an overall budget for all the expense items
- 3 and a specific budget for the things that are in the
- 4 delineated list that are under the capital account.
- 5 So your question about is all the approval of the
- 6 Board, the majority of the Board is needed to approve
- 7
- 8 Q. I'm sorry, maybe it was unclear. Once the Board
- approves a budget with a line item in it for a
- 10 project, is that project approved by the Board, or is
- 11 there a second approval process after the budget but
- 12 before the project is implemented?
- 13 A. It depends.
- 14 Q. Depends on what?
- 15 A. The Board is approving a budget which is setting
- aside funds. There's separate approval requirements 16
- 17 underneath the purchasing policy in terms of
- 18 threshold of dollar value of a contract for services
- 19 or dollar value of a procurement of parts that
- 20 requires separate and distinct approval from the
- 21 Board from the original budget.
- 22 Q. So some projects above a dollar threshold require
- 23 budget approval and then a second approval by the
- 24 Board?
- 25 A. That's correct.

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- 1 A. Not that I'm aware of. 2 Q. Part of your current job is to make presentations to
- the Board of Public Works for approval of projects,
- correct?
- 5 A. Correct.
- 6 Q. And was that also part of your prior job as power
- resources director?
- 8 A. Yes.
- 9 Q. Was that also part of your job as the production
- 10 engineering supervisor?
- 11 A. No.
- 12 Q. How often as operations director do you make
- 13 presentations to the Board for approval of
- 14 maintenance projects?
- 15 A. Fairly frequent. A lot of times those things are
- 16 handled through consent and presentations aren't
- 17 made. There is written documentation, but standing
- 18 in front of a board is not as frequent, but having to
- present that for approval is frequent,
- 20 Q. I assume the Board approves the annual budget; is
- that right? 21
- 22 A. That's correct.
- 23 Q. And when maintenance projects are itemized in that
- 24 annual budget, is approval of the budget, all the
- 25 approval by the Board required for those projects?

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- require a second approval from the Board?
- 3 A. That's correct.
- 4 Q. Some projects are within a miscellaneous category in

1 Q. And some projects require budget approval but do not

- the budget and require no itemized approval by the
- Board at all; is that correct?
- 7 A. That's not the criteria. I mentioned the criteria is
- cost, is really the only threshold there. Being in a
- miscellaneous category is not a determinant factor.
- 10 Q. So if it's not itemized in the annual budget but the
- 11 project is below the dollar threshold for approval by
- 12 the Board, it can go forward without Board approval
- 13 at all; is that correct?
- 14 A. Yes.
- 15 Q. And there are maintenance projects that have not been
- 16 approved by the Board; is that correct?
- 17 A. Yes.
- 18 Q. Are there any maintenance projects that don't require
- a supervisor approval?
- 20 A. Give me -- can you be more specific on that? I'm
- 21 trying to figure out, are you talking about a
- 22 supervisor of the person that's requiring it?
- 23 O. Yes.
- 24 A. I can think of cases where an individual -- and
- again, that person is likely to be a supervisor or

50 (Pages 188 to 191)